

SUMMED DOMINANCE RATIO DAN DIVERSITAS SPESIES
TUMBUHAN BERGUNA DI TAMAN GUMI BANTEN DESA WANAGIRI
KECAMATAN SUKASADA BULELENG

Oleh

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui : (1) nilai *Summed Dominance Ratio* (SDR) spesies tumbuhan berguna di ruang Taman Gumi Banten Desa Wanagiri, (2) nilai indeks keanekaragaman spesies (*Diversitas*) tumbuhan berguna di hutan Taman Gumi Banten Desa Wanagiri. Jenis penelitian ini adalah jenis penelitian eksploratif. Populasi dalam penelitian ini dibagi menjadi dua aspek yaitu aspek ekosistem dan aspek sosial. Aspek ekosistem meliputi seluruh tumbuhan berguna yang berada di dalam kuadrat di Hutan Taman Gumi Banten Desa Wanagiri, dan aspek sosial meliputi pandangan masyarakat Desa Wanagiri mengenai pemanfaatan tumbuhan berguna. Metode yang digunakan dalam penelitian ini yaitu metode *plot ganda* dengan teknik *systematic sampling* dengan bantuan tali transek. Untuk penentuan tumbuhan berguna dilakukan dengan melaksanakan wawancara kepada masyarakat sekitar, menyebarkan kuesioner, dan melaksanakan observasi. Untuk ukuran kuadrat yang dipasang akan sesuai dengan habitus, kategori habitus Pohon (*Tree*) menggunakan ukuran kuadrat 20 x 20 m, habitus anak Pohon (*Sapling*) 10 x 10 m, dan habitus bibit (*Seedling*) 1 x 1 m. Selanjutnya data yang diperoleh di masukkan ke dalam tabel kerja dan dianalisis secara statistik ekologi dan deskriptif. Hasil penelitian menunjukkan (1) komposisi Tumbuhan yang menyusun vegetasi Hutan Taman Gumi Banten yakni 67 spesies, dari 67 spesies 60 termasuk ke dalam tumbuhan berguna (89%) dan 7 spesies tumbuhan (10%) belum dimanfaatkan oleh masyarakat. Dari 60 spesies tumbuhan berguna tersebut mencakup 33 familia yang di dalamnya terdapat total jumlah individu sebesar 1.274 individu tumbuhan berguna, (2) tumbuhan berguna yang memiliki nilai *Summed Dominance Ratio* tertinggi di Hutan Taman Gumi Banten adalah Beringin (*Ficus benjamina* L.) sebesar 21,54%, (3) Hutan Taman Gumi Banten memiliki nilai *Diversitas* spesies / indeks keanekaragaman sebesar 3,30 yang berarti termasuk ke dalam katagori keanekaragaman tinggi. Nilai kekayaan spesies sebesar 8,25 dan pemerataan sebesar 2,41.

Kata kunci : Tumbuhan Berguna, Hutan Taman Gumi Banten, Desa Wanagiri, *Summed Dominance Ratio*, Indeks Keanekaragaman.

**SUMMED DOMINANCE RATIO AND DIVERSITY OF USEFUL PLANT
SPECIES IN TAMAN GUMI BANTEN OF WANAGIRI VILLAGE,
SUKASADA DISRICT, BULELENG**

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ABSTRACT

*This research was conducted to determine: (1) the value of Summed Dominance Ratio (SDR) of useful plant species in the classification of Taman Gumi Banten in Wanagiri Village, (2) the value of the species (Diversity) index of useful plants in the Taman Gumi Banten, Wanagiri Village. The research of this study the used type of exploratory research. The population in this study was divided into two aspects, namely: ecosystem aspects and social aspects. Ecosystem aspects include all useful plants that are in the plot in Taman Gumi Banten Forest, Wanagiri Village, and social aspects include the views of the Wanagiri Village community regarding the use of useful plants. The method the used in this study is a double plot method with systematic sampling technique and with a line transect approach that is instaled alternately and continuously. The determine useful plants, it is done by conducting interviews with the surrounding community, distributing questionnaires, and carrying out observations. For the plot size that is instaled it will adjust to the habitus, the Tree habitus category uses a plot size of 20 x 20 m, Sapling habitus 10 x 10 m, and Seedling habitus 1 x 1 m. Furthermore, the data obtained will be entered into the work of table and would be analyzed statistically ecological and descriptive. The results showed, (1) The composition of the plants that make up the vegetation of the Taman Gumi Banten Forest is 67 species, of which 60 of them are useful plants (89%) and 7 species of plants (10%) have not been used by the community. From the 60 useful plant species, there are 33 families in which there is a total number of individuals of 1.274 useful plants, (2) the useful plants that dominate and control the entire study areal in terms of space and natural resources in the Taman Gumi Banten forest is to find Beringin (*Ficus benjamina* L.) with a value of 21.54%, (3) Taman Gumi Banten Forest has a value The species Diversity index is 3.30, which means that the Taman Gumi Banten Forest is included in the high diversity category, hence the plants in the Taman Gumi Banten Forest is variation. The species richness value is 8.25 and the evenness is 2.41.*

Keywords : *Useful Plants, Taman Gumi Banten, Wanagiri Village, Summed Dominance Ratio, Diversity Index*